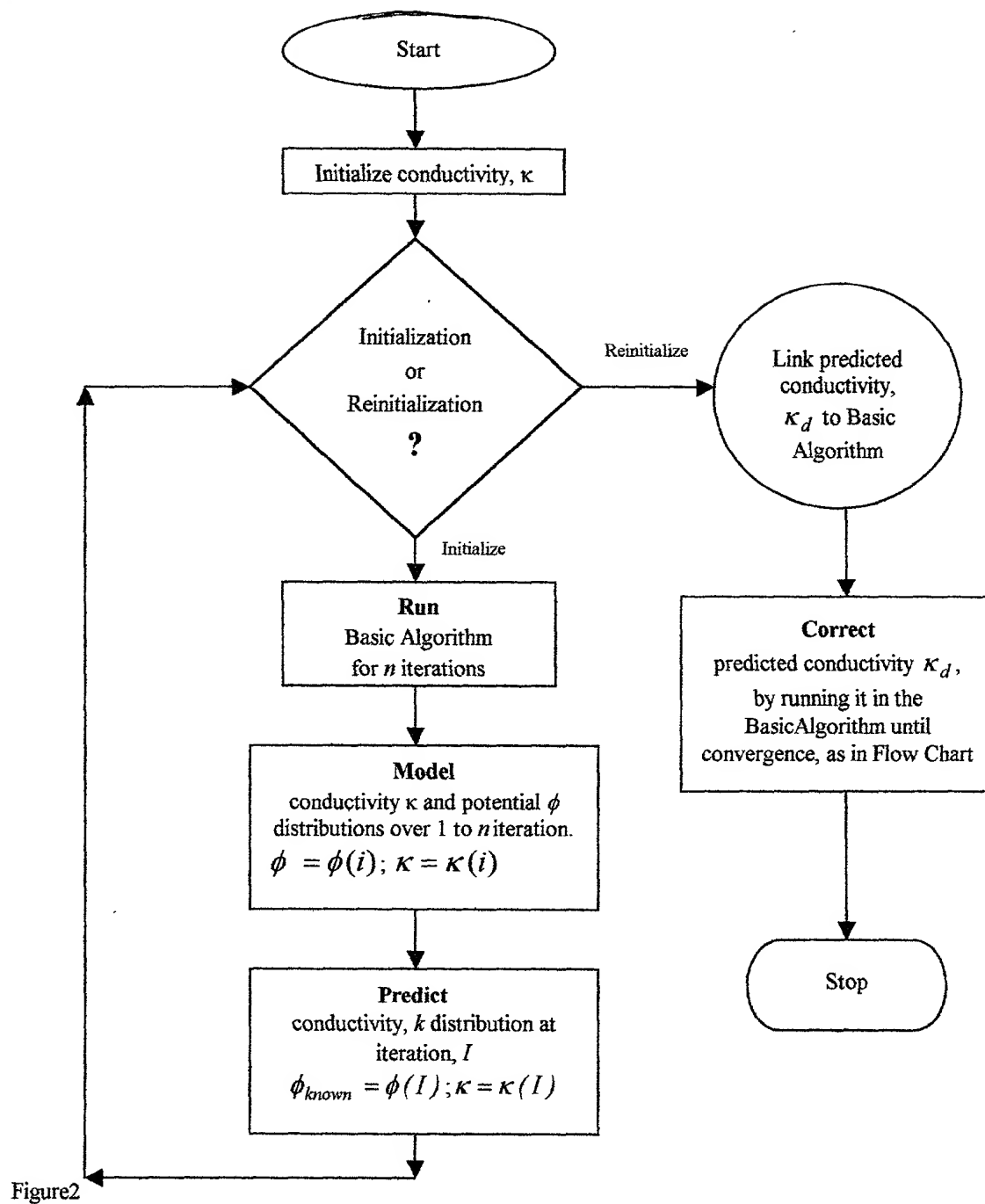


Figure 1

```

graph TD
    Start([Start]) --> Init[Initialize conductivity, κ]
    Init --> Decision{Initialization  
or  
Reinitialization  
?}
    Decision -- Initialize --> Run[Run  
Basic Algorithm  
for n iterations]
    Run --> Model[Model  
conductivity κ and potential ϕ  
distributions over 1 to n iteration.  
ϕ = ϕ(i); κ = κ(i)]
    Model --> Predict[Predict  
conductivity, k distribution at  
iteration, I  
ϕ_known = ϕ(I); κ = κ(I)]
    Predict --> Decision
    Decision -- Reinitialize --> Link((Link predicted  
conductivity,  
κ_d to Basic  
Algorithm))
    Link --> Correct[Correct  
predicted conductivity κ_d,  
by running it in the  
BasicAlgorithm until  
convergence, as in Flow Chart]
    Correct --> Stop([Stop])
  
```

Figure2



09931993-11601

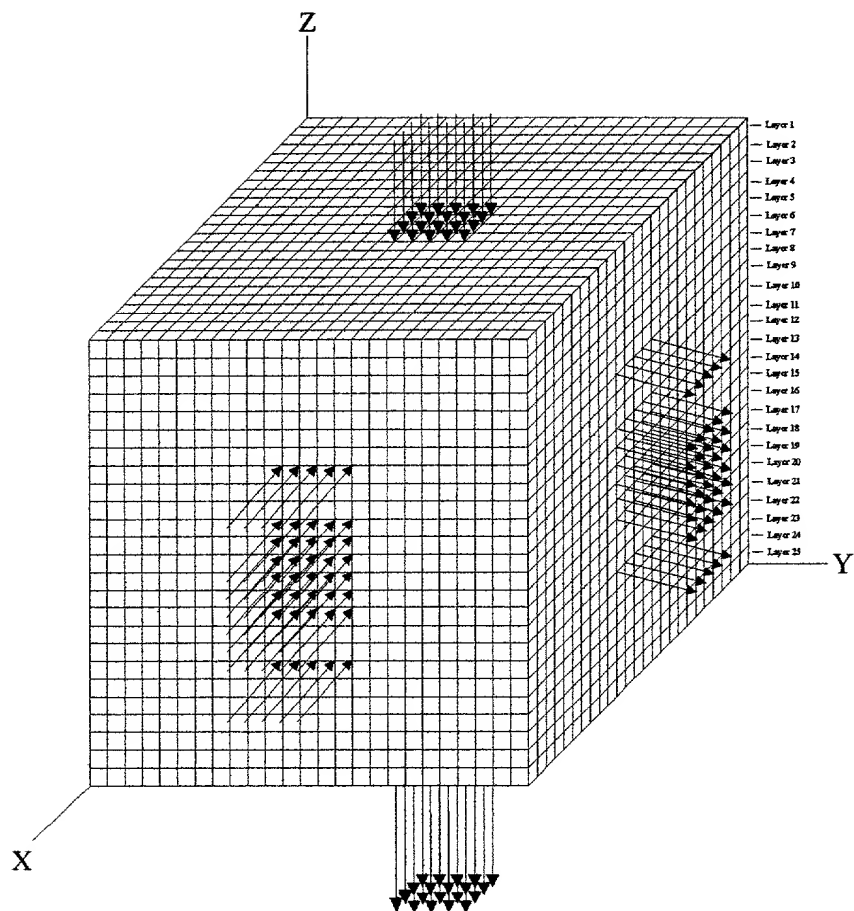


Figure 3

0991993-112601

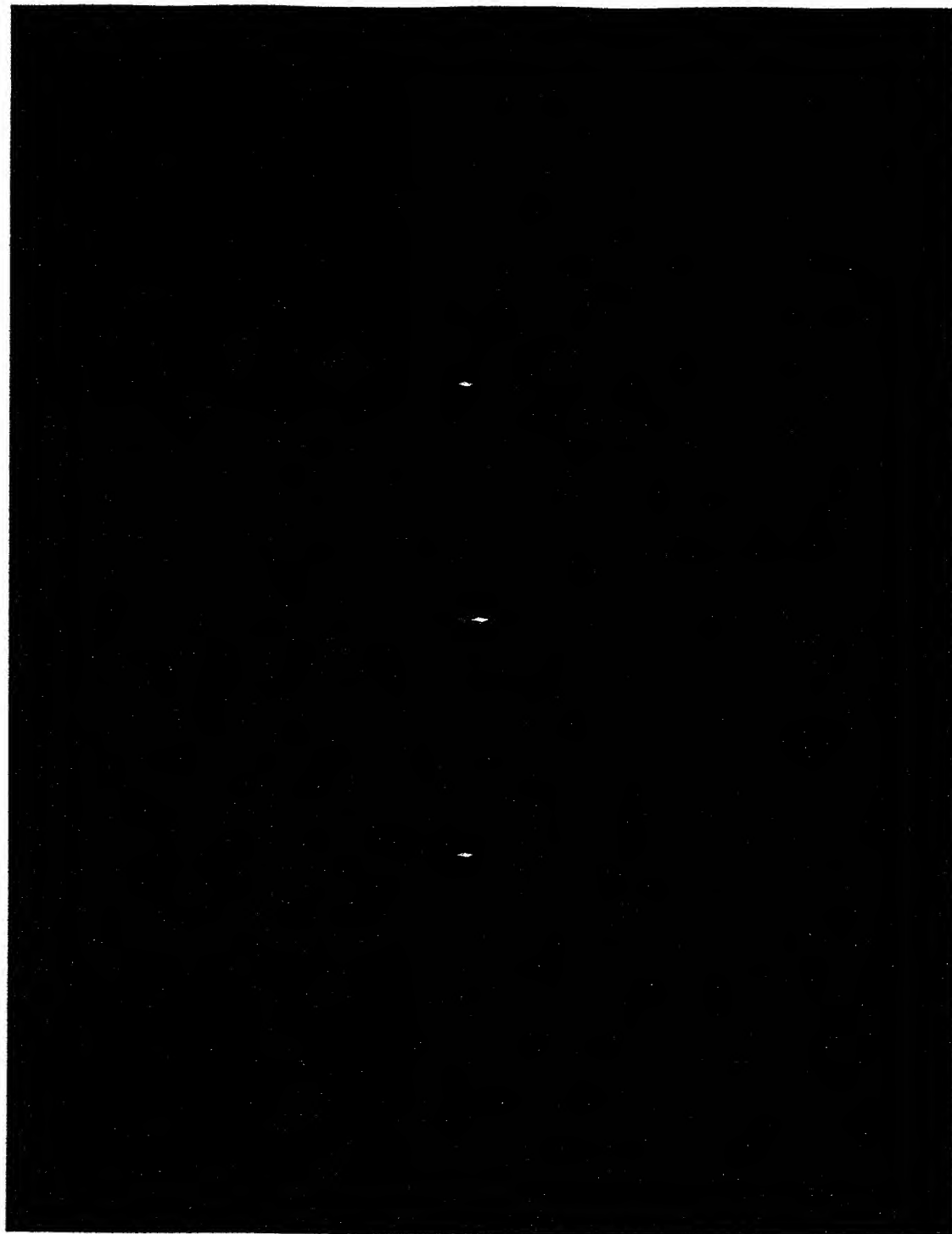


Figure 4

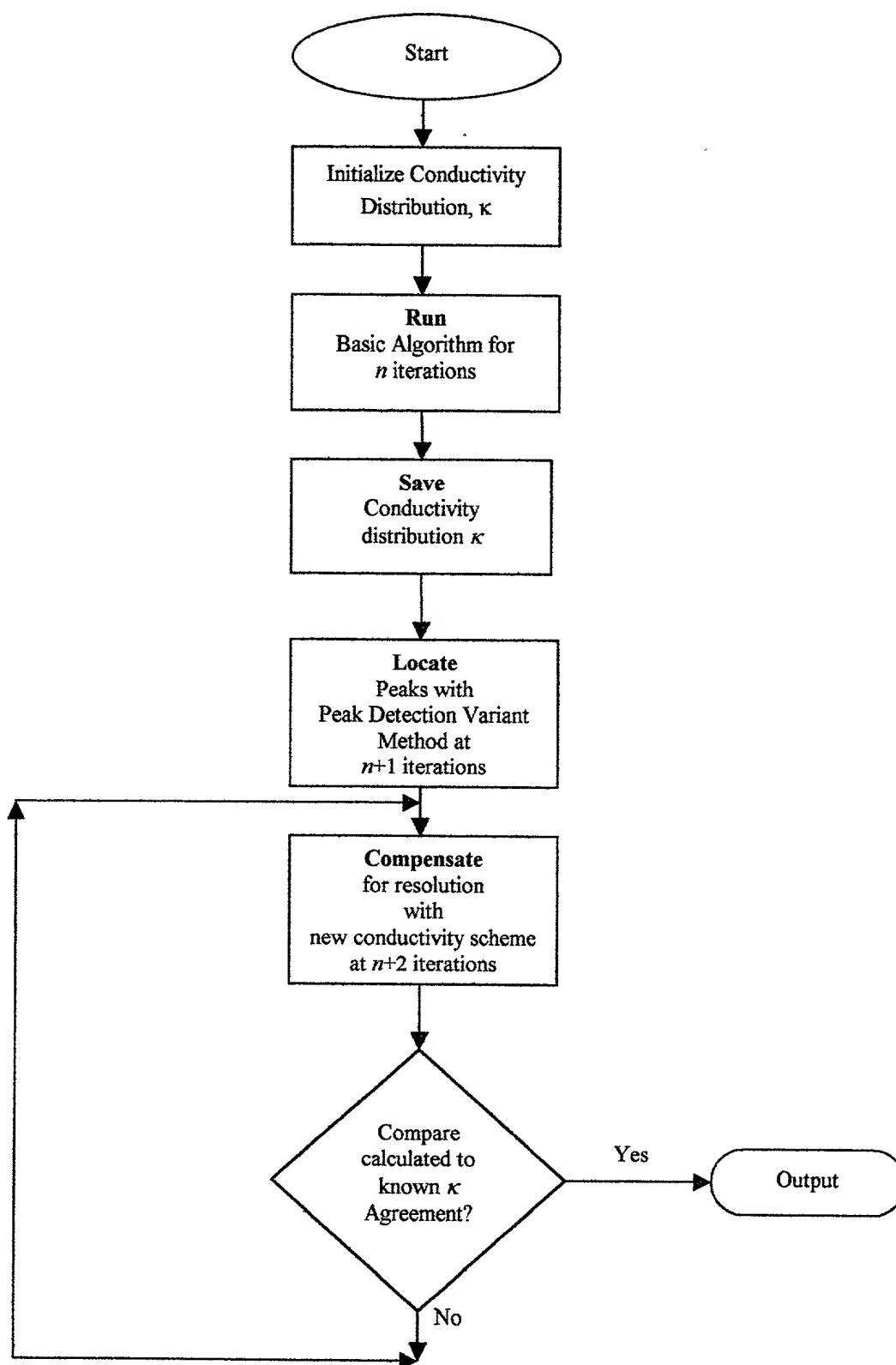


Figure 5

FOOT" 66T660

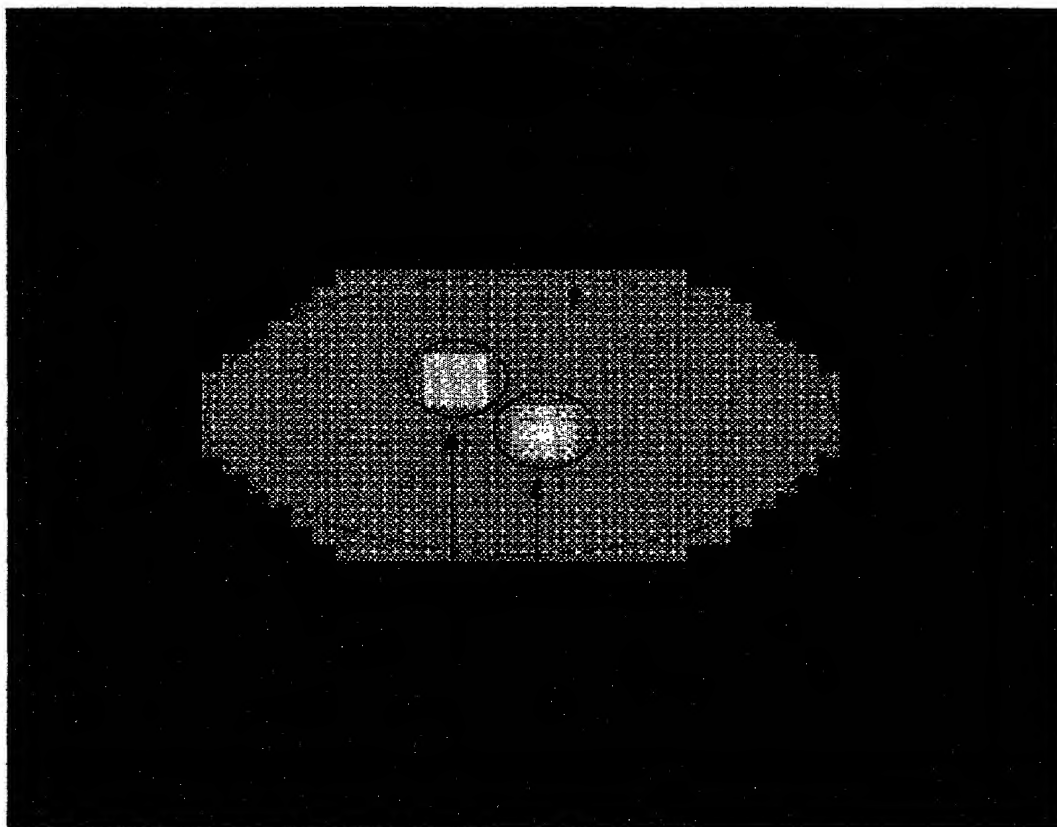


Figure 6